

Appl. No. 10/691,147
Amdt. Dated October 20, 2005
Reply to Office action of July 20, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1 (currently amended): A power control apparatus adapted for being applied in an electronic device, the electronic device comprising a display and a mainframe, the power control apparatus comprising:

a bearing seat adapted to be secured in the mainframe, the bearing seat comprising a shaft;

a rotating portion adapted to be secured to be secured in the display, the rotating portion comprising a sleeve pivotally receiving the shaft, and an actuator extending from the sleeve, the sleeve defining a slit therein, a connecting board extending outwardly from the sleeve and the slit, the connecting board defining a pair of connecting holes therein; and

a loading board attached to the bearing seat, the loading board comprising a suspend switch having an elastic button;

wherein the rotating portion is rotatable between a first [[portion]] position in which the button protrudes from the switch[[.]] and a second position in which the button is depressed into the switch by the actuator so that the mainframe terminates signals and power delivery to the display.

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Claim 2 (original): The power control apparatus as described in claim 1, wherein the bearing seat further comprise a base and a neck portion extending upwardly from the base, and the shaft extends from an upper end of the neck portion.

Claim 3 (original): The power control apparatus as described in claim 2, wherein the base defines a plurality of securing holes therein.

Claim 4 (canceled):

Claim 5 (currently amended): The power control apparatus as described in claim [[4]] 1, wherein the actuator extends generally coplanarly from the sleeve.

Claim 6 (original): The power control apparatus as described in claim 2, wherein the loading board defines a cutout therein, the cutout engagingly receiving the neck portion of the bearing seat.

Claim 7 (original): The power control apparatus as described in claim 3, wherein the loading board further defines a securing hole therein corresponding to one of the securing holes of the base of the bearing seat.

Claim 8 (canceled)

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Claim 9 (currently amended): A power control apparatus for coupling a first unit to a second unit, the power control apparatus comprising:
a hinge device comprising a first portion secured to the first unit and a second portion secured to the second unit and pivotally engaged with the first portion, the first portion including a sleeve, the second portion including a bearing seat and a loading board attached to the bearing seat, the bearing seat including a base, a neck portion, and a shaft, the neck portion extending upwardly from the base, the shaft extending from an end of the neck portion and being pivotally received in the sleeve;
a suspend switch being attached to the loading board, the suspend switch having an elastic button provided on the second portion;
and
an actuator provided on the first portion and extending from the sleeve;
wherein the first portion can rotate relative to the second portion between a first position in which the button protrudes out from the switch, and a second position in which the button is depressed into the switch by the actuator so that the second unit terminates signals and power delivery to the first unit.

Claim 10 (currently amended): The power control apparatus as described in claim 9, wherein the button is movably installed in the suspend switch.

Claim 11 (canceled)

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Claim 12 (canceled)

Claim 13 (currently amended): The power control apparatus as described in claim **[[12]] 9**, wherein the loading board defines a cutout therein, the cutout engagingly receiving the neck portion of the bearing seat.

Claim 14 (currently amended): The power control apparatus as described in claim **[[12]] 9**, wherein the base defines a securing hole, and the loading board further defines a securing hole therein corresponding to the securing hole of the base of the bearing seat.

Claim 15 (canceled)

Claim 16 (currently amended): The power control apparatus as described in claim **[[12]] 9**, wherein the actuator extends generally coplanarly from an end of the sleeve.

Claim 17 (original): power control apparatus as described in claim 16, wherein the second portion further comprises a connecting board, the sleeve defines a slit therein, the connecting board extends from the sleeve adjacent the slit, and the connecting board defined a pair of connecting holes, for securing the second portion to the first portion.

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Claim 18 (currently amended): A power control apparatus assembly comprising:

a first unit providing power;

a second unit receiving the power to show images;

a hinged device including a sleeve section secured to one of the first unit and the second unit, and a shaft section secured to the other of the first unit and the second unit under a condition that said sleeve section coaxially rotatably surrounds said shaft section;

an actuation switch mounted to said other of the first unit and the second unit, at least part of the actuation switch being configured for being laterally/radially moveable relative to said other of the first unit and the second unit and said shaft section;

an actuator coaxially extending from a distal end of said sleeve section with a distance wherein said actuator is not of a full circumference but in a limited angle range corresponding to said actuation switch; wherein

by means of rotation of the sleeve section about the shaft section, the actuation switch can be activated or deactivated by said actuator so as to decide whether the second unit receives the power or not.

Claim 19 (original): The assembly as described in claim 18, wherein said actuator is essentially a periphery region of a sector.

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Claim 20 (original): The assembly as described in claim 18, wherein said shaft includes a neck portion connected to said other of the first unit and the second unit, and the actuator is located axially between said neck portion and the sleeve section.

Claim 21 (new): A power control apparatus for coupling a first unit to a second unit, the power control apparatus comprising:

- a first unit providing power;

- a second unit receiving power to show images;

- a hinge device comprising:

- a first part secured to the first unit, the first part including a base, a connecting portion extending upwardly from the base, a shaft extending away from an end of the connecting portion, and a button being moveably installed in the base; and

- a second part secured to the second unit and pivotally engaged with the first part, the second part including a rotating portion configured for pivotally receiving the shaft and an extending portion extending laterally away from an end of the rotating portion and partially surrounding the shaft, the extending portion having an actuator segment corresponding to the button, the actuator segment having an open-end radial cross section;

wherein the first part can rotate relative to the second part between a first position in which the actuator segment is away from the button and the button is deactivated, and a second position in which the actuator segment touches and acts on the button so that

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the button is activated and the second unit terminates signals and power delivery to the first unit.

Claim 22 (new): The power control apparatus as described in claim 21, wherein the extending portion is located axially between the connecting portion and the rotating portion.

Claim 23 (new): The power control apparatus as described in claim 21, wherein the actuator segment is located radially between the shaft and the button when the first unit rotates to the first position, and the shaft is located radially between the actuator segment and the button when the first unit rotates to the second position.

Claim 24 (new): The power control apparatus as described in claim 21, wherein the button is configured for radially/laterally moving relative to the shaft.

Claim 25 (new): The power control apparatus as described in claim 21, wherein extending portion extends generally coplanarly from the rotating portion.